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Art Unit: 1614

Thursday, April 21, 2005

Case Serial Number: 10/721022

From: Deirdre Arnold

Location: Biotech-Chem Library

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Phone: 571-272-2532

Deirdre.Arnold@uspto.gov

Search Notes

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Regards,
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		be as specifically as possible the subject matter to be searched. Onyms, and registry numbers, and combine with the concept or
utility of the invention. Define any terr	ns that may have a special	meaning. Give examples or relevant citations, authors, etc, if
known. Please attach a copy of the cove	er sheet, pertinent claims, a	and abstract.
Title of Invention:	azor com	soumas 9x CAP
Inventors (please provide full names)	: Lykas-La	skey, Mary Ann
KUHOLO ROBERT		
Earliest Priority Filing Date:		<u> </u>
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Sorted by Date

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5,902,821 or 5902821	0	News, All (English, Full Text)		04/20/2005 16:00:05
5,902,821 or 5902821	0	Patent, Trademark & Copyright Periodicals, Combined		04/20/2005 15:59:24
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6407086 or 6,407,086	0	News, All (English, Full Text)		03/28/2005

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patno=6407086	1	Utility, Design and Plant Patents	03/28/2005 10:56:43
6,127,155 or 6127155	1	News, All (English, Full Text)	03/23/2005 09:04:31
6,127,155 or 6127155	0	Patent, Trademark & Copyright Periodicals, Combined	03/23/2005 09:03:53
6,127,155 or 6127155	0	Patent Cases from Federal Courts and Administrative Materials	03/23/2005 09:03:29
patno=6127155	1	Utility, Design and Plant Patents	03/23/2005 09:00:07

Source: <u>Legal</u> > <u>Area of Law - By Topic</u> > <u>Patent Law</u> > <u>Patents</u> > <u>U.S. Patents</u> > <u>Utility, Design and Plant Patents</u>

Terms: patno=5902821 (Edit Search)

875603 (08) 5902821 May 11, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5902821

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Link to Claims Section

May 11, 1999

Use of carbazole compounds for the treatment of congestive heart failure

APPL-NO: 875603 (08)

FILED-DATE: December 29, 1997

GRANTED-DATE: May 11, 1999

ASSIGNEE-AT-ISSUE: Boehringer Mannheim Pharmaceuticals Corporation Smith Kline Corporation Limited Partnership No. 1, Gaithersburg, Maryland, United States (US), 02

ASSIGNEE-AFTER-ISSUE: December 29, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION SMITH KLINE BEECHAM CORPORATION LIMITED PARTNERSHIP 1 101 ORCHARD RIDGE DRIVE GAITHERSBURG MARYLAND 20878, Reel and Frame Number: 09065/0783

September 10, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ROCHE THERAPEUTICS, INC. 340 KINGSLAND STREET NUTLEY NEW JERSEY 07110, Reel and Frame Number: 13957/0660

September 16, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVENUE HATO REY 00917 PUERTO RICO, Reel and Frame Number: 13974/0463

CORE TERMS: patient, compound, carvedilol, dose, sub, mortality, cardiac, dosage, diuretic, inhibitor ...

Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant

Patents 📆

Terms: patno=5902821 (Edit Search)

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Date/Time: Wednesday, April 20, 2005 - 3:56 PM EDT

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1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5902821

Link to Claims Section

May 11, 1999

Use of carbazole compounds for the treatment of congestive heart failure

APPL-NO: 875603 (08)

13957/0660

FILED-DATE: December 29, 1997

GRANTED-DATE: May 11, 1999

ASSIGNEE-AT-ISSUE: Boehringer Mannheim Pharmaceuticals Corporation Smith Kline Corporation Limited Partnership No. 1, Gaithersburg, Maryland, United States (US), 02

ASSIGNEE-AFTER-ISSUE: December 29, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION SMITH KLINE BEECHAM CORPORATION LIMITED PARTNERSHIP 1 101 ORCHARD RIDGE DRIVE GAITHERSBURG MARYLAND 20878, Reel and Frame Number: 09065/0783
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September 16, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVENUE HATO REY 00917 PUERTO RICO, Reel and Frame Number: 13974/0463

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Spivack 5,902,821 21/04/2005

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21/04/05 13*47*25

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Search statement 1

Query/Command: us5902821/pn

** SS 1: Results 1

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT Patent Number : US5902821 A 19990511 [US5902821] Title : (A) Use of carbazole compounds for the treatment of congestive heart failure Patent Assignee : (A) BOEHRINGER MANNHEIM PHARM CORP (US) Patent Assignee : Boehringer Mannheim Pharmaceuticals Corporation Smith Kline Corporation Limited Partnership No. 1, Gaithersburg MD [US] Inventor(s): (A) SPONER GISBERT (DE); STREIN KLAUS (DE); LUKAS-LASKEY MARY ANN (US); RUFFOLO JR ROBERT (US); SHUSTERMAN NEIL (US) Application Nbr : US87560397 19971229 [1997US-0875603] Filing Details : PCT/EP96/00498 19960207 [1996WO-EP00498] WO96/24348 19960815 [WO9624348] Priority Details : DE19503995 19950208 [1995DE-1003995] WOEP9600498 19960207 [1996WO-EP00498] Intl Patent Class : (A) A61K-031/40 EPO ECLA Class : A61K-031/403 US Patent Class: ORIGINAL (O) : 514411000 Document Type : Corresponding document Citations : US4888179; US5308862; US5312828 J. of Cardiovascular Pharm; Senior, et al., "Effects of Carvedilol on Ventricular Arrhythmias", 1992, vol. 19, (Supp. 1): pp. S117-S121. J. of Cardiovascuclar Pharm; DasGupta, et al., "The Effects of Intravenous Carvedilol, A New Multiple Action Vasodilatory .beta.-Blocker, in Congestive Heart Failure", 1991, vol. 18, (Suppl. 1): pp. S12-S16. American J. of Cardiology; DasGupta, et al., "Value of Carvedilol in Congestive Heart Failure Secondary to Coronary Artery Disease", 1990, vol. 66, pp. 1118-1123. Z. Kardiol; A. Buchwald, et al., "Acute Hemodynamic Effects of the Beta-blocker Carvedilol in Heart Failure", 1990, vol. 79, No. 6, pp. 424-428. JACC; DiLenarda, et al., "Acute Hemodynamic Effects of Carvedilol Versus Metroprolol In Idiopathic Dilated Cardiomyopathy", 1991, vol. 17, No. 2, Abstract 142A. Frontiers in CHF; D. Tepper, "Multicenter Oral Carvedilol Heart Failure Assessment", 1996, vol. 2, No. 1, pp. 39-40. J. of Cardiovascular Pharm; DasGupta, et al., 1992, vol. 19, (Suppl. 1): pp. S62-S67.

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Drugs of Today; Ruffolo, et al., "Carvedilol (Kredex): A Novel Multiple Action Cardiovascular Agent", 1991, vol. 27, No. 7, pp. 465-492. Publication Stage:

(A) United States patent

Abstract :

PCT No. PCT/EP96/00498 Sec. 371 Date Dec. 29, 1997 Sec. 102(e) Date Dec. 29, 1997 PCT Filed Feb. 7, 1996 PCT Pub. No. WO96/24348 PCT Pub. Date Aug. 15, 1996A method of treatment using carvedilol is disclosed, wherein the carvedilol decreases the mortality caused by congestive heart failure in patients. The patients are titrated with low amounts of carvedilol, with the initial titration dosage being only 10 to 30% of the daily maintenance dose.

LGST - ©EPO 1 / 1 Patent Number :

US5902821 A 19990511 [US5902821]

Application Number:

US87560397 19971229 [1997US-0875603]

Action Taken :

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION SM; EFFECTIVE

DATE: 19971203

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: LUKAS-LASKEY, MARY ANN; EFFECTIVE DATE: 19971203

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: RUFFOLO, ROBERT, JR.; EFFECTIVE DATE: 19971201

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: SSHUSTERMAN, NEIL; EFFECTIVE DATE: 19971201

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: SPONER, GISB; EFFECTIVE DATE: 19971201

20030910 US/AS-A

ASSIGNMENT

OWNER: ROCHE THERAPEUTICS, INC. 340 KINGSLAND STREETNUTLE

ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BOEHRINGER MANNHEIM

PHARMACEUTICALS CORPORATION; SMITHKLINE BECKMAN

CORPORATION; REEL/FRAME: 013957/0660; SIGNING DATES FROM 20001212 TO 20001221

20030916 US/AS-A

ASSIGNMENT

OWNER: SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVEN; EFFECTIVE

DATE: 20030801

ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: ROCHE THERAPEUTICS

INC.; REEL/FRAME: 013974/0463

20040928 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031125

Update Code :

2005-11

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

5,902,821 A 19990511 [US5902821]

Patent Assignee :

Boehringer Mannheim Pharmaceuticals Corp - SmithKline Beecham L P Actions :

20030910 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION DATE SIGNED: 12/12/2000

SMITHKLINE BECKMAN CORPORATION DATE SIGNED: 12/21/2000

Assignee: ROCHE THERAPEUTICS, INC. 340 KINGSLAND STREET NUTLEY NEW JERSEY 07110

Reel 013957/Frame 0660

Contact: GLAXOSMITHKLINE MARY E. MCCARTHY P.O. BOX 1539 KING OF PRUSSIA, PA 19406-0939

20030916 REASSIGNED
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: ROCHE THERAPEUTICS INC. DATE SIGNED: 08/01/2003

Assignee: SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVENUE HATO REY

PUERTO RICO 00917

Reel 013974/Frame 0463

Contact: GLAXOSMITHKLINE MARY E. MCCARTHY P.O. BOX 1539 KING OF

PRUSSIA, PA 19406-0939

20031125 REISSUE REQUESTED
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